

## **ABSTRACT**

A self-contained surgical, e.g., endoscope, system. The surgical, e.g., endoscope, system may include a sterilizable shaft having a light source and/or an image capture device mounted at the distal end of the shaft or connected to the distal end of the shaft by fiber optics. The light source is a light emitting diode or an array of light emitting diodes, and may have its own power source located at the distal end of the shaft. The shaft includes a working channel, an irrigation/aspiration channel, and an electric cable. The shaft is coupled at its proximal end to a control module having a video processor and an integrally-mounted display screen for displaying image data from the image capture device. The control module may also include an irrigation/aspiration system, a control unit, and a controller. The control module is coupled to a power module. The power module includes steering motors connected to steering cables in the shaft. In addition, the power module includes drive motors and a power source.